## **EUROPEAN PATENT OFFICE**

## Patent Abstracts of Japan

**PUBLICATION NUMBER** 

07302103

**PUBLICATION DATE** 

14-11-95

APPLICATION DATE

: 30-04-94

**APPLICATION NUMBER** 

06114562

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INT.CL.

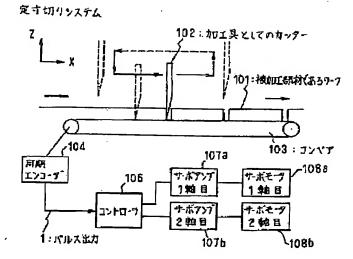
G05B 19/18 B26D 5/20 G05B 19/02

G05B 19/06 G05B 19/19 G05D 3/00

G05D 5/00 G05D 5/03

TITLE

MOTION CONTROLLER



ABSTRACT:

PURPOSE: To automatically generate an operation pattern for an electronic cam function in a system where a machined member is cut in a prescribed size synchronously with the feed of the machined member.

CONSTITUTION: In a prescribed size cutting system, an electronic cam processing part controls the operating cycle of a tool that performs a cutting operation as well as an acceleration/deceleration operation which secures the synchronization with the feed of a member to be machined 101 by an electronic cam function that outputs a slave position signal with input of a master position signal. Then a motion controller includes a means which automatically calculates an operation pattern for the electronic cam function by inputting the ratio set between an acceleration/deceleration operation range and the moving range of a machining tool 102 and also the ratio set between a cutting operation range and the moving range of the tool 102.

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